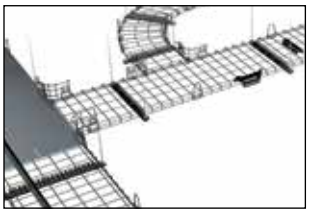
Wyr-Grid® Overhead Cable Tray Routing System

PANDUIT®

SPECIFICATION SHEET

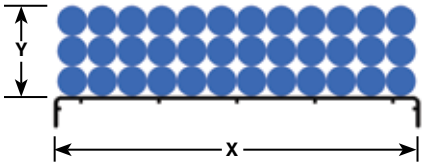
specifications

The overhead cable tray routing system shall consist of pathway sections, splice connectors, sidewalls, waterfalls, mounting brackets, and accessories designed to route and manage copper, fiber optic, or power cables. The pathway sections shall be provided in five widths: 8" (203mm), 12" (305mm), 18" (457mm), 24" (610mm) and 30" (762mm). Optional snap-on sidewalls shall include 2" (50mm), 4" (102mm), and 6" (152mm) heights that can be hand installed at any location along pathway sections. Sidewall waterfalls and intersection bend radius parts shall provide 3" (76mm) bend radius protection. Trapeze, cantilever, and wall mount brackets shall be provided to support the system. Components shall be painted black or electro zinc plated.



technical information

Wire fill table:



X (in.)	Y (in.)	Internal Area (in.²)	Category 6A Dia. 0.300" 7.6mm	Category 6 Dia. 0.240" 6.1mm	X (in.)	Y (in.)	Internal Area (in²)	Category 6A Dia. 0.300" 7.6mm	Category 6 Dia. 0.240" 6.1mm
12.2	2	24.3	172	269	24.2	2	48.3	342	534
	4	48.7	344	538		4	96.7	684	1069
	6	73.0	516	807		6	145.0	1026	1603
18.2	2	36.3	257	401	30.2	2	60.3	427	666
	4	72.7	514	804		4	120.7	854	1334
	6	109.0	771	1205		6	181.0	1280	2000

Material:	Black (BL): Pre-galvanized steel wire and galvanized cold rolled steel prior to paint Pre-Galvanized (PG): Pre-galvanized steel wire and galvanized cold rolled steel prior to paint Electro Zinc (EZ): Steel wire and cold rolled steel, electro zinc plated ABS (Side Waterfall) RoHS Compliant
Approvals:	UL Classified for their suitability for use as Equipment Grounding Conductor in accordance with Sections 392.3(C) and 392.7(B) of the NEC Metal Cable Tray in accordance with CAN/CSA-C22.2 No.126.1-02 NEMA VE 1-2002 and ANSI/NFPA 70, "National Electric Code" (NEC) Corrosion resistant per ASTM A653/A653M-08 and A641/A641M-09 EN61537:2007 Cable Tray Systems and Cable Ladder Systems for Cable Management Black: Corrosion resistant per ASTM A653/A653M-08 and A641/A641M-09 Electro Zinc: ASTM B633 SC3, Type III
CSI spec form:	LP-CSISPEC-WG

key features and benefits

Strength to weight ratio	The design of the Wyr-Grid® Pathway Sections provides a greater strength to weight ratio than competitive wire basket; easier handling translates into faster installation
Grid pattern	The 4" x 5" wire mesh grid pattern allows greater amounts of cables and QuickNet® Cassettes to pass through grid openings without additional cutting, reducing installation time
No integral sidewalls	Less cutting on straight sections, no cutting at intersections and waterfalls reduces installation time
Snap-on sidewalls	Sidewalls can be attached where needed to retain cables within the Wyr-Grid® Pathway Sections providing greater configuration versatility
Bend radius control sidewalls	Protects cables at intersections and can be easily attached without cutting or fabrication
Bonding splice	A thread cutting screw pierces the paint of adjacent cable tray sections providing a completely bonded connection, ensuring electrical continuity between the sections
Snap-on waterfalls	Protects cables when transitioning down to equipment and can be easily attached without cutting or fabrication

applications

The Wyr-Grid® Overhead Cable Tray System is designed to route and manage copper data cables, fiber optic, or power cables within data centers, connected buildings, and industrial automation applications. Innovative features provide quick, safe, and easy assembly for reduced installation costs and faster deployment. Can easily accommodate FiberRunner® Pathways into the application to provide a segregated copper and fiber cabling strategy.

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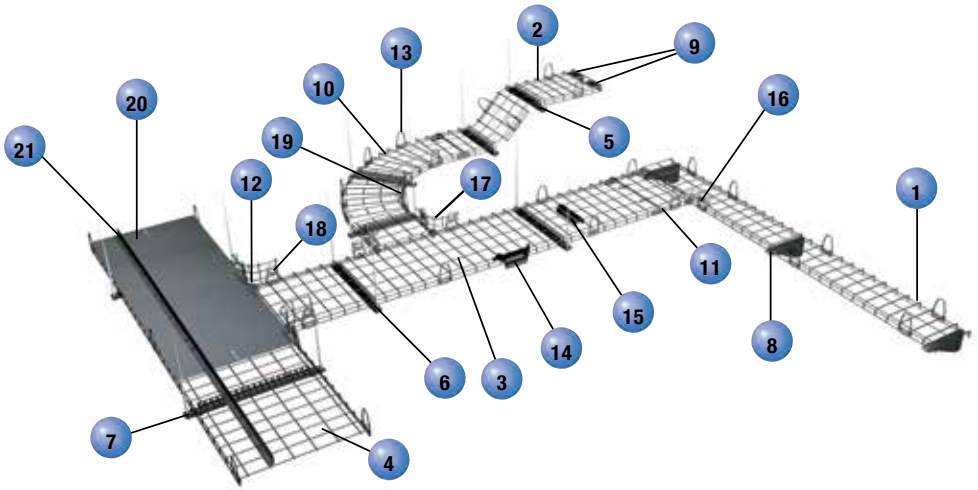
Wyr-Grid® Pathway Sections	
8"W x 120"L:	WG8**10
12"W x 120"L:	WG12**10
18"W x 120"L:	WG18**10
24"W x 120"L:	WG24**10
30"W x 120"L:	WG30**10
Splice Connectors	
8", 12", and 18" quick splice:	WGSPL1218**
24" and 30" quick splice:	WGSPL2430**
Intersection splice:	WGINTSPL**
Snap-On Sidewalls	
2" sidewall:	WGSW2**
4" sidewall:	WGSW4**
6" sidewall:	WGSW6**
Waterfalls	
4" side waterfall:	WGSWF4BL
Bottom waterfall:	WGBTMWF**
Mounting Brackets	
8" trapeze bracket:	WGTBS8**
12" trapeze bracket:	WGTBS12**
18" trapeze bracket:	WGTBS18**
24" trapeze bracket:	WGTBS24**
30" trapeze bracket:	WGTBS30**
12" cantilever bracket:	WGCB12**
18" cantilever bracket:	WGCB18**
24" cantilever bracket:	WGCB24**
12" rack mount bracket:	WG2PRB12BL
18" rack mount bracket:	WG2PRB18BL
24" rack mount bracket:	WG2PRB24BL
8" wall bracket:	WGWMTB8**
12" wall bracket:	WGWMTB12**
18" – 30" wall bracket:	WGWMTB1830**
Strut bracket:	WGSK**
Vertical mounting bracket:	WGVWMBEZ
Intersection Bend Radius Control	
2" high sidewall:	WGINTBRC2**
4" high sidewall:	WGINTBRC4**
6" high sidewall:	WGINTBRC6**
Tray Liner (Offered in PG only)	
8" tray liner:	WGTL8PG
12" tray liner:	WGTL12PG
18" tray liner:	WGTL18PG
24" tray liner:	WGTL24PG
30" tray liner:	WGTL30PG
Divider Wall (Offered in PG only)	
2" divider wall:	WGDW2PG
4" divider wall:	WGDW4PG
6" divider wall:	WGDW6PG
Accessories	
Manual cutting tool:	WGCT-M
Hydraulic cutting tool:	WGCT-A
Hardware kit:	WGHRDWKT**

**Substitute BL = Black Powder Coat, EZ = Electro Zinc Plated

Wyr-Grid® Overhead Cable Tray Routing System



Pathway Sections

8" Width: WG8BL10 (not shown)

1 12" Width: WG12BL10

2 18" Width: WG18BL10

3 24" Width: WG24BL10

4 30" Width: WG30BL10

Mounting Brackets

Trapeze Brackets

8" Wide: WGTBS8BL (not shown)

12" Wide: WGTBS12BL (not shown)

5 18" Wide: WGTBS18BL

6 24" Wide: WGTBS24BL

7 30" Wide: WGTBS30BL

Cantilever Brackets

8" Wide: WGCB8BL (not shown)

8 12" Wide: WGCB12BL

18" Wide: WGCB18BL (not shown)

24" Wide: WGCB24BL (not shown)

Wall Mount Termination Brackets

8" Wide: WGWMTB8BL (not shown)

12" Wide: WGWMTB12BL (not shown)

9 18" – 30" Wide: WGWMTB1830BL

Splice Connectors

10 For 8", 12", and 18" Widths: WGSPL1218BL

11 For 24" and 30" Widths: WGSPL2430BL

12 Intersection Splice: WGINTSPLBL

Snap-On Sidewalls

2" Sidewall: WGSW2BL (not shown)

13 4" Sidewall: WGSW4BL

6" Sidewall: WGSW6BL (not shown)

Waterfalls

14 4" Side Waterfall: WGSWF4BL

15 Bottom Waterfall: WGBTMWFBL

Intersection Bend Radius Control

16 2" High Sidewall: WGINTBRC2BL

17 4" High Sidewall: WGINTBRC4BL

18 6" High Sidewall: WGINTBRC6BL

Accessories

19 Hardware Kit: WGHRDWKTBL

Tray Liner

8" Tray Liner: WGTL8PG (not shown)

12" Tray Liner: WGTL12PG (not shown)

18" Tray Liner: WGTL18PG (not shown)

24" Tray Liner: WGTL24PG (not shown)

20 30" Tray Liner: WGTL30PG

Divider Wall

2" Divider Wall: WGDW2PG (not shown)

21 4" Divider Wall: WGDW4PG

6" Divider Wall: WGDW6PG (not shown)

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